

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael P. Lewis

Serial No.:

Group No.:

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Examiner:

For: EXTERNAL COUNTERPULSATION UNIT CUFF

MAIL STOP: Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements
2. Forms PTO 1449 (now PTO/SB/08A and 08B)
3. Copies of Listed Information Items Accompanying This Statement
4. Concise Explanation of English Language Listed Information Items
5. Identification of Person(s) Making This Information Disclosure Statement

Section 1. Preliminary Statements

Applicant(s) submits herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose:

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this Information Disclosure Statement and the documents referred to as attached thereto are being deposited with the United States Postal Service on the date listed below, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EU 333 640 680 US, addressed to the: MAIL STOP: Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

June 26, 2003

Date


Kenneth A. Keeling
Registration No. 31,842

cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. PTO 1449 (Now Forms PTO/SB/08A and 08B)

PTO Form 1449 is attached hereto.

Section 3. Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Form PTO-1449 accompany this information statement.

Section 4. Concise Explanation of English Language Listed Information Items

1. 5,554,103 Kheng et al, September 10, 1996

The present invention provides a high efficiency external counterpulsation apparatus having accurate and reliable timing of inflation and deflation as well as reduced temperature of the balloons. The present invention utilizes new gas distribution devices for improved safety in the monitoring of blood pressure and oxygen levels in the blood.

2. 3,303,841 Dennis, Februasry 14, 1967

The present invention relates to the process of and apparatus for reducing the work of the left ventricle of the heart by forcing blood back into the aorta and great arterial vessels through external compression of the body during ventricular diastole and relieving this back pressure when the left ventricle is emptying the aorta.

3. 4,753,226 Zheng et al, June 28, 1988

A combination device is provided for a microcomputerized and enhanced type of external counterpulsation and extra-thoracic cardiac massage apparatus. The invention comprises 4 independent balloons, which receive control signals from the central computer monitoring a plurality of cardiovascular system inputs. The balloons are inflated and deflated as required by the patient's medical condition.

4. 5,997,540 Zheng et al, December 7, 1999

The present invention provides a high efficiency external counterpulsation apparatus having accurate and reliable timing of inflation and deflation as well as reduced temperature of the balloons. The present invention utilizes new gas distribution devices for improved safety in the monitoring of blood pressure and oxygen levels in the blood.

5. (30(10)656-661) Cohen – American Cardiovascular Journal 1973

Above referenced publication disclosed by examiner during review of prior application number 09/733,276 filed December 8, 2000. Copies not provided by examiner for reference.

6. CN85200905, Chinese Patent

Above referenced patent disclosed by examiner during review of prior application number 09/733,276 filed December 8, 2000. Copies not provided by examiner for reference.

7. CN88203328, Chinese Patent

Above referenced patent disclosed by examiner during review of prior application number 09/733,276 filed December 8, 2000. Copies not provided by examiner for reference.

8. CN1057189A, Chinese Patent

Above referenced patent disclosed by examiner during review of prior application number 09/733,276 filed December 8, 2000. Copies not provided by examiner for reference.

Section 5. Identification of Person(s) Making This Information Disclosure Statement

The person making this statement is:

- (a) the inventor(s) who signs below.
- (b) an individual associated with the filing and prosecution of this application.
- (c) the practitioner who signs below on the basis of the information:
 - supplied by the inventor(s).
 - supplied by an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))
 - in the practitioner's file.

Respectfully submitted,



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PTO/SB/08A (08-00)

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• Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known

Application Number	
Filing Date	
First Named Inventor	Michael P. Lewis
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.